Tapping Site Planning and Design

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USACE

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US Army Corps of Engineers
BUILDING STRONG®



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Site Planning and Design

- 1. How is *Site Planning and Design* foundational to sustainable development?
- 2. What role does the *Landscape Architect* play in collaboration with the Architect, Engineer, and Master Planner?



Quantitative

LEED 2009 for New Construction and Major Renovations

100 base points

(6 possible Innovation in Design and 4 Regional Priority points)

Certified: 40–49 points

Silver: 50-59 points

Gold: 60-79 points

Platinum: 80 points and above

50 possible points from The Site





Quantitative

12 of 55
points from
sustainable
sites
Category



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Qualitative





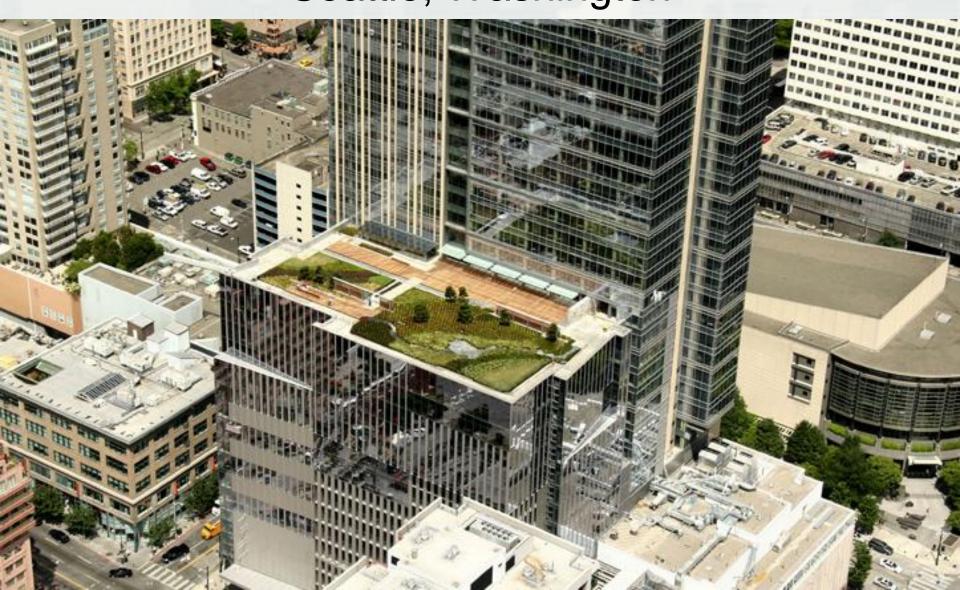


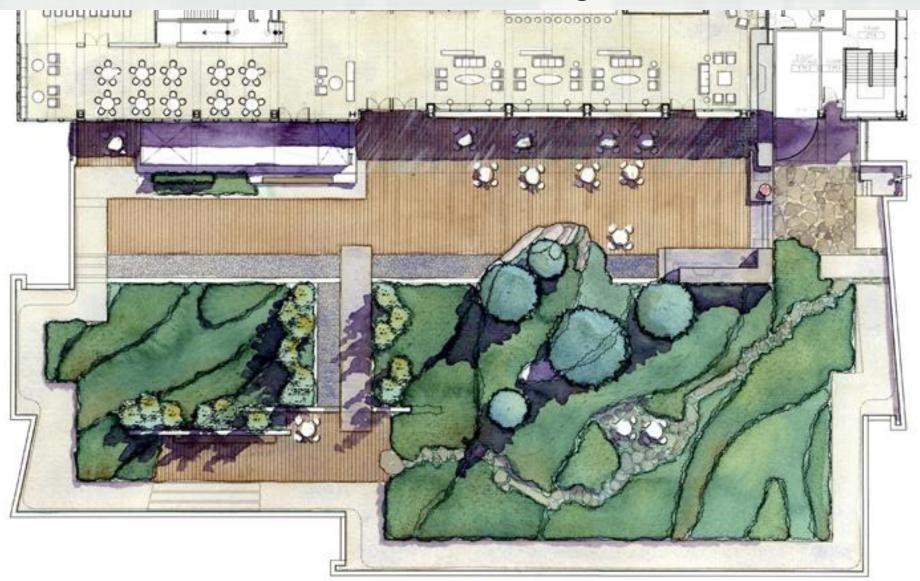
The Landscape Architect (LA)

















Washington Mutual Center Green Roof

Seattle, Washington

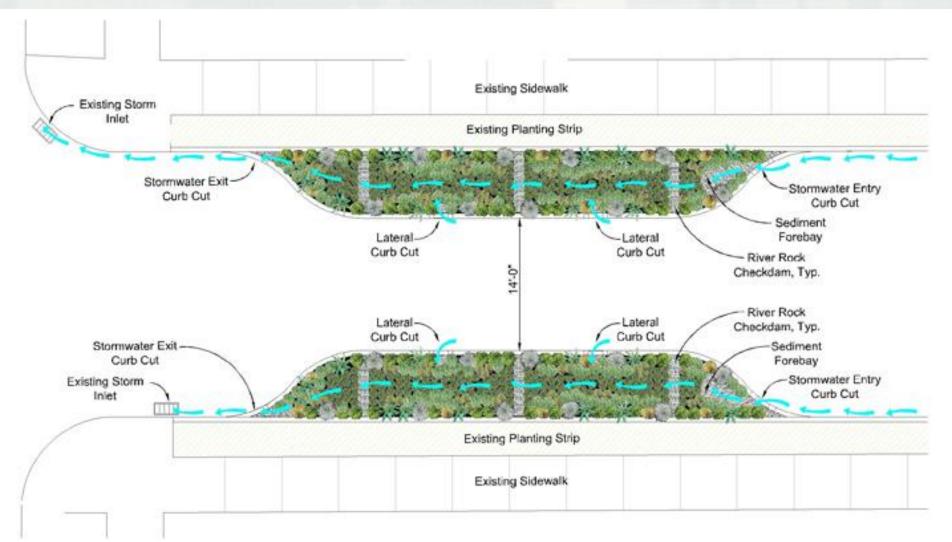




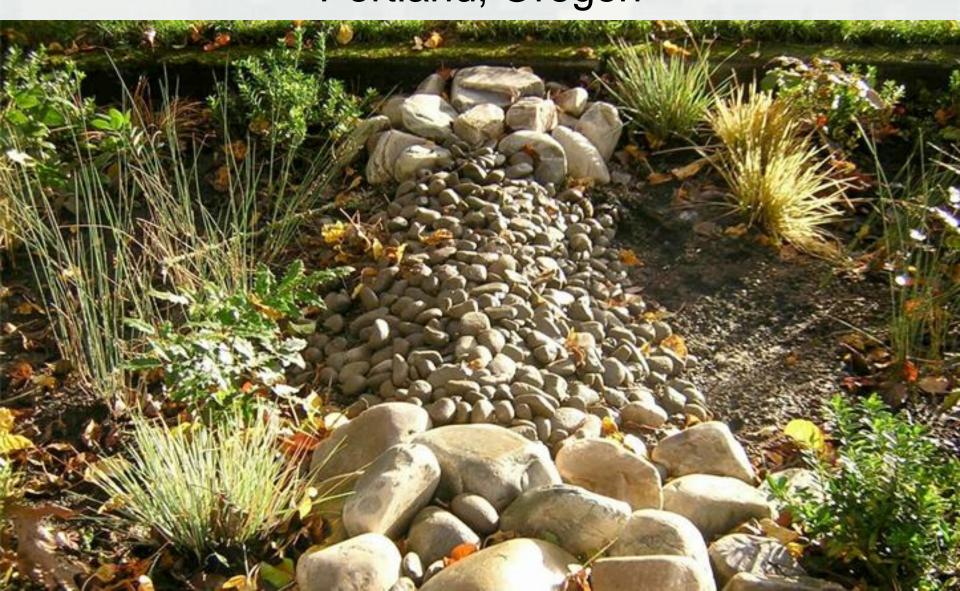
NE Siskiyou Green Street Portland, Oregon



NE Siskiyou Green Street Portland, Oregon





















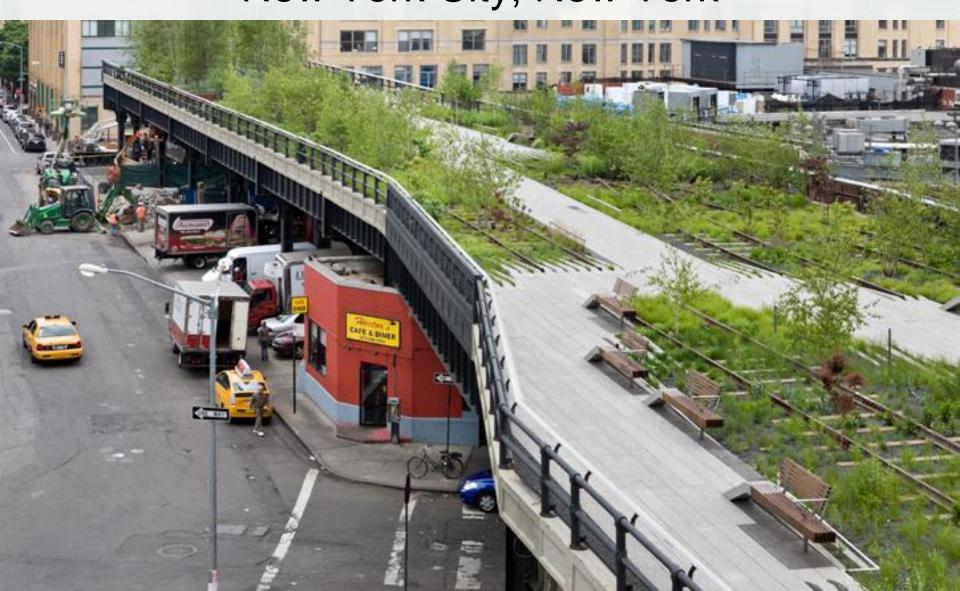






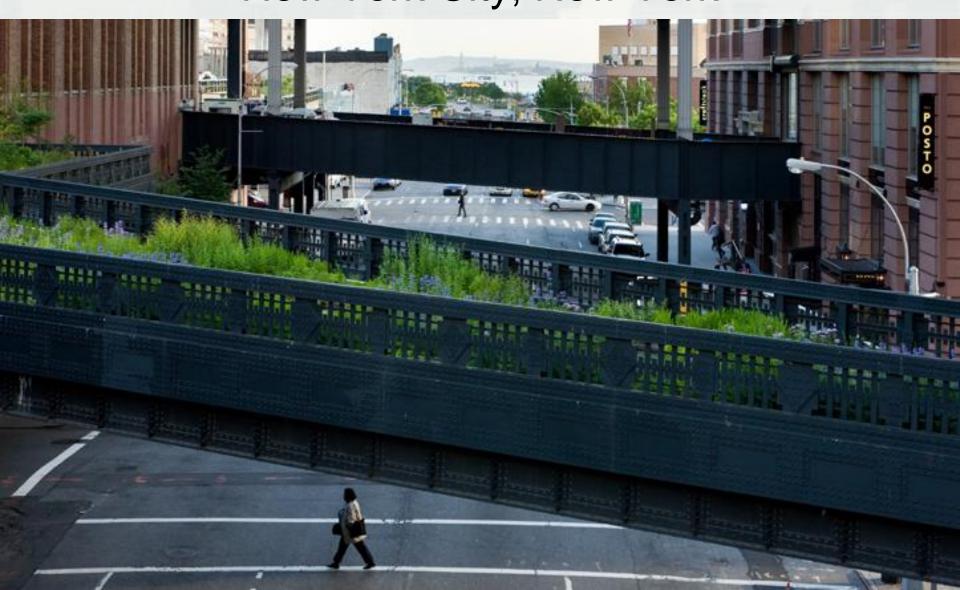












Site Planning and Design is foundational to sustainable development.







LEED Points

Sustainable Sites 26 Possib	le Points
□ Prerequisite 1 Construction Activity Pollution Prevention	Required
□ Credit 1 Site Selection	1
□ Credit 2 Development Density and Community Connectivity	5
□ Credit 3 Brownfield Redevelopment	1
☐ Credit 4.1 Alternative Transportation—Public Transportation Access	6
☐ Credit 4.2 Alternative Transportation—Bicycle Storage and Changing Rooms	1
☐ Credit 4.3 Alternative Transportation—Low-Emitting and Fuel-Efficient Vehicles	3
☐ Credit 4.4 Alternative Transportation—Parking Capacity	2
□ Credit 5.1 Site Development—Protect or Restore Habitat	1
□ Credit 5.2 Site Development—Maximize Open Space	1
□ Credit 6.1 Stormwater Design—Quantity Control	1
□ Credit 6.2 Stormwater Design—Quality Control	1
□ Credit 7.1 Heat Island Effect—Non-roof	1
□ Credit 7.2 Heat Island Effect—Roof	1 Y. w. Y
□ Credit 8 Light Pollution Reduction	1 (1) ®

LEED Points

24 Possible Points

Water Efficiency 10	
□ Prerequisite 1 Water Use Reduction	Required
□ Credit 1 Water Efficient Landscaping	2-4
□ Credit 2 Innovative Wastewater Technologies	2
□ Credit 3 Water Use Reduction	2-4
Materials and Resources	
□ Credit 3 Materials Reuse	1-2
□ Credit 4 Recycled Content	1-2
□ Credit 5 Regional Materials	1-2
□ Credit 6 Rapidly Renewable Materials	1
□ Credit 7 Certified Wood	1
Innovation in Design	
□ Credit 1 Innovation in Design	1-5
□ Credit 2 LEED Accredited Professional	11